SEQUENCE LISTING

- The Queen's University of Belfast <110>
- Cancer Diagnosis and Therapy <120>
- <130> P32890-/GTO/BPU
- <160>
- <170> PatentIn version 3.1
- <210> 1
- <211> 2823
- <212> DNA
- <213> Artificial Sequence
- <220>
- <223> cDNA clone of MQ1 cell surface glycoprotein of Astrocytoma cell
- <400>
- gctcagaata ccaatgactg cagccctcat ccctgttaca acagcggcac ctgtgtggat
- ggagacaact ggtaccggtg cgaatgtgcc ccgggttttg ctgggcccga ctgcagaata
- aacatcaatg aatgccagtc ttcaccttgt gcctttggag cgacctgtgt ggatgagatc 180
- aatggctacc ggtgtgtctg ccctccaggg cacagtggtg ccaagtgcca ggaagtttca 240
- gggagacett geateaceat ggggagtgtg ataceagatg gggceaaatg ggatgatgae 300
- tgtaatacct gccagtgcct gaatggacgg atcgcctgct caaaggtctg gtgtggccct 360
- cgaccttgcc tgctccacaa agggcacagc gagtgcccca gcgggcagag ctgcatcccc
- atcctggacg accagtgctt cgtccacccc tgcactggtg tgggcgagtg tcggtcttcc 480
- agtetecage eggtgaagae aaagtgeace tetgaeteet attaceagga taaetgtgeg 540
- aacatcacat ttacctttaa caaggagatg atgtcaccag gtcttactac ggagcacatt 600

tgcagtgaat 660	tgaggaattt	gaatattttg	g aagaatgttt	ccgctgaat	a ttcaatctac
atcgcttgcg 720	agccttcccc	ttcagcgaac	: aatgaaatac	atgtggccat	ttctgctgaa
gatatacggg . 780	atgatgggaa	cccgatcaag	gaaatcactg	g acaaaataat	: cgatcttgtt
agtaaacgtg 840	atggaaacag	ctcgctgatt	gctgccgttg	cagaagtaag	g agttcagagg
cggcctctga 900	agaacagaac	agatttcctt	gttcccttgc	tgagctctgt	cttaactgtg
gcttggatct 960	gttgcttggt	gacggccttc	tactggtgcc	tgcggaagcg	gcggaagccg
ggcagccaca 1020	cacactcagc	ctctgaggac	aacaccacca	acaacgtgcg	ggagcagctg
aaccagatca 1080	aaaaccccat	tgagaaacat	ggggccaaca	cggtccccat	caaggattat
gagaacaaga 1140	actccaaaat	gtctaaaata	aggacacaca	attctgaagt	agaagaggac
gacatggaca 1200	aacaccagca	gaaagcccgg	tttgccaagc	agccggcgta	cacgctggta
1260		caacggcacg			
1320		aagtgcccag			
1380		cgctaggtag			
cgtgtcatac 1440	tcgagtctga	ggccgttgct	gacttagaat	ccctgtgtta	atttaagttt
tgacaagctg 1500	gcttacactg	gcaatggtag	tttctgtggt	tggctgggaa	atcgagtgcc
gcatctcaca 1560	gctatgcaaa	aagctagtca	acagtaccct	ggttgtgtgt	ccccttgcag
ccgacacggt 1620	ctcggatcag	gctcccagga	gcctgcccag	cccctggtc	tttgagctcc
cacttctgcc	agatgtccta	atggtgatgc	agtcttagat	catagtttta	tttatattta

2700

ttgactcttg agttgttttt gtatattggt tttatgatga cgtacaagta gttctgtatt 1740 tgaaagtgcc tttgcagctc agaaccacag caacgatcac aaatgacttt attatttatt ttttttaatt gtatttttgt tgttggggga ggggagactt tgatgtcagc agttgctggt 1860 aaaatgaaga atttaaagaa aaaaatgtca aaagtagaac tttgtatagt tatgtaaata 1920 attettttt attaateact gtgtatattt gatttattaa ettaataate aagageetta 1980 aaacatcatt cctttttatt tatatgtatg tgtttagaat tgaaggtttt tgatagcatt 2040 gtaagcgtat ggctttattt ttttgaactc ttctcattac ttgttgccta taagccaaaa 2100 ttaaggtgtt tgaaaatagt ttattttaaa acaataggat gggcttctgt gcccagaata ctgatggaat ttttttgtac gacgtcagat gtttaaaaca ccttctatag catcacttaa 2220 aacacgtttt aaggactgac tgaggcagtt tgaggattag tttagaacag gtttttttgt 2280 ttgtttgttt tttgtttttc tgctttagac ttgaaaagag acaggcaggt gatctgctgc 2340 agagcagtaa gggaacaagt tgagctatga cttaacatag ccaaaatgtg agtggttgaa 2400 tatgattaaa aatatcaaat taattgtgtg aacttggaag cacaccaatc ttactttgta aattotgatt tottttcaco attogtacat aatactgaac cacttgtaga tttgattttt 2520 tttttaatct actgcattta gggagtattc taataagcta gttgaatact tgaaccataa 2580 aatgtccagt aagatcactg tttagatttg ccatagagta cactgcctgc cttaagtgag

gaaatcaaag tgctattacg aagttcaaga tcaaaaaggc ttataaaaca gagtaatctt

gttggttcac cattgagacc gtgaagatac tttgtattgt cctattagtg ttatatgaac 2760

atacaaatgc atctttgatg tgttgttctt ggcaataaat tttgaaaagt aatatttatt 2820

aaa

2823

2 <210>

2476 <211>

DNA <212>

Artificial Sequence <213>

<220>

cDNA clone of MQ-1 cell surface glycoprotein of Astrocytom <223> a cell

<400>

aggtctggtg tggccctcga ccttgcctgc tccacaaagg gcacagcgag tgccccagcg

ggcagagctg catccccatc ctggacgacc agtgcttcgt ccacccctgc actggtgtgg 120

gcgagtgtcg gtcttccagt ctccagccgg tgaagacaaa gtgcacctct gactcctatt

accaggataa ctgtgcgaac atcacattta cctttaacaa ggagatgatg tcaccaggtc 240

ttactacgga gcacatttgc agtgaattga ggaatttgaa tattttgaag aatgtttccg

ctgaatattc aatctacatc gcttgcgagc cttccccttc agcgaacaat gaaatacatg

tggccatttc tgctgaagat atacgggatg atgggaaccc gatcaaggaa atcactgaca 420

aaataatcga tcttgttagt aaacgtgatg gaaacagctc gctgattgct gccgttgcag

gctctgtctt aactgtggct tggatctgtt gcttggtgac ggccttctac tggtgcctgc 600

ggaagcggcg gaagccgggc agccacacac actcagcctc tgaggacaac accaccaaca

1680

acgtgcggga gcagctgaac cagatcaaaa accccattga gaaacatggg gccaacacgg 720 tccccatcaa ggattatgag aacaagaact ccaaaatgtc taaaataagg acacacaatt ctgaagtaga agaggacgac atggacaaac accagcagaa agcccggttt gccaagcagc cggcgtacac gctggtagac agagaagaga agccccccaa cggcacgccg acaaaacacc 900 caaactggac aaacaaacag gacaacagag acttggaaag tgcccagagc ttaaaccgaa tggagtacat cgtatagcag accgcgggca ctgccgccgc taggtagagt ctgagggctt 1020 gtagttettt aaactgtegt gteatacteg agtetgagge egttgetgae ttagaateee 1080 tgtgttaatt taagttttga caagctggct tacactggca atggtagttt ctgtggttgg ctgggaaatc gagtgccgca tctcacagct atgcaaaaag ctagtcaaca gtaccctggt 1200 tgtgtgtccc cttgcagccg acacggtctc ggatcaggct cccaggagcc tgcccagccc 1260 cctggtcttt gagctcccac ttctgccaga tgtcctaatg gtgatgcagt cttagatcat 1320 agttttattt atatttattg actcttgagt tgtttttgta tattggtttt atgatgacgt 1380 acaagtagtt ctgtatttga aagtgccttt gcagctcaga accacagcaa cgatcacaaa tgactttatt atttatttt tttaattgta tttttgttgt tgggggaggg gagactttga 1500 tgtcagcagt tgctggtaaa atgaagaatt taaagaaaaa aatgtcaaaa gtagaacttt 1560 gtatagttat gtaaataatt ctttttatt aatcactgtg tatatttgat ttattaactt aataatcaag agccttaaaa catcattcct ttttatttat atgtatgtgt ttagaattga

- aggtttttga tagcattgta agcgtatggc tttatttttt tgaactcttc tcattacttg 1740
- ttgcctataa gccaaaatta aggtgtttga aaatagttta ttttaaaaca ataggatggg
- cttctgtgcc cagaatactg atggaatttt tttgtacgac gtcagatgtt taaaacacct 1860
- tctatagcat cacttaaaac acgttttaag gactgactga ggcagtttga ggattagttt 1920
- agaacaggtt tttttgtttg tttgtttttt gtttttctgc tttagacttg aaaagagaca 1980
- ggcaggtgat ctgctgcaga gcagtaaggg aacaagttga gctatgactt aacatagcca 2040
- aaatgtgagt ggttgaatat gattaaaaat atcaaattaa ttgtgtgaac ttggaagcac 2100
- accaatctta ctttgtaaat tctgatttct tttcaccatt cgtacataat actgaaccac 2160.
- ttgtagattt gattttttt ttaatctact gcatttaggg agtattctaa taagctagtt 2220
- gaatacttga accataaaat gtccagtaag atcactgttt agatttgcca tagagtacac 2280
- tgcctgcctt aagtgaggaa atcaaagtgc tattacgaag ttcaagatca aaaaggctta 2340
- taaaacagag taatcttgtt ggttcaccat tgagaccgtg aagatacttt gtattgtcct 2400
- attagtgtta tatgaacata caaatgcatc tttgatgtgt tgttcttggc aataaatttt 2460

- gaaaagtaat atttat 2476
- <210> 3
- <211> 2721
- <212> DNA
- <213> Artificial Sequence
- <220>
- <223> Splice Variant

<400> 3 atgcgttccc 60	cacggacgcg	cggccggtcc	gggcgcccc	: taageeteet	getegeeetg
ctctgtgccc 120	tgcgagccaa	ggtgtgtggg	gcctcgggto	agttcgagtt	ggagateetg
tecatgeaga 180	acgtgaacgg	ggagctgcag	aacgggaact	gatgaggagg	g cgcccggaac
ccgggagacc 240	gcaagtgcac	ccgcgacgag	tgtgacacat	acttcaaagt	gtgcctcaag
gagtatcagt 300	cccgcgtcac	ggccggggg	ccctgcagct	tcggctcagg	gtccacgcct
gtcatcgggg 360	gcaacacctt	caacctcaag	gccagccgcg	gcaacgaccg	caaccgcatc
420					ggcgtgggat
480					tgtcaccagg
540			•		agaatgtttc
600		tcgcttgcga			
660		atatacggga			
720		gtaaacgtga			
780		ggcctctgaa			
840		cttggatctg			
900		gcagccacac			
960		accagatcaa			
ggtccccatc 1020	aaggattatg	agaacaagaa	ctccaaaatg	tctaaaataa	ggacacacaa

- ttctgaagta gaagaggacg acatggacaa acaccagcag aaagcccggt ttgccaagca 1080
- geoggegtae acgetggtag acagagaaga gaageeeeee aacggeaege egacaaaaca
- cccaaactgg acaaacaaac aggacaacag agacttggaa agtgcccaga gcttaaaccg 1200
- aatggagtac atcgtatagc agaccgcggg cactgccgcc gctaggtaga gtctgagggc 1260
- ttgtagttct ttaaactgtc gtgtcatact cgagtctgag gccgttgctg acttagaatc 1320
- cctgtgttaa tttaagtttt gacaagctgg cttacactgg caatggtagt ttctgtggtt 1380
- ggctgggaaa tcgagtgccg catctcacag ctatgcaaaa agctagtcaa cagtaccctg
- gttgtgtgtc cccttgcagc cgacacggtc tcggatcagg ctcccaggag cctgcccagc 1500
- cccctggtct ttgagctccc acttctgcca gatgtcctaa tggtgatgca gtcttagatc 1560
- atagttttat ttatatttat tgactcttga gttgtttttg tatattggtt ttatgatgac 1620
- gtacaagtag ttctgtattt gaaagtgcct ttgcagctca gaaccacagc aacgatcaca 1680
- aatgacttta ttatttattt tttttaattg tatttttgtt gttgggggag gggagacttt 1740
- gatgtcagca gttgctggta aaatgaagaa tttaaagaaa aaaatgtcaa aagtagaact 1800
- ttgtatagtt atgtaaataa ttctttttta ttaatcactg tgtatatttg atttattaac 1860
- ttaataatca agagccttaa aacatcattc ctttttattt atatgtatgt gtttagaatt 1920
- gaaggttttt gatagcattg taagcgtatg gctttatttt tttgaactct tctcattact 1980
- tgttgcctat aagccaaaat taaggtgttt gaaaatagtt tattttaaaa caataggatg 2040
- ggettetgtg cecagaatae tgatggaatt tttttgtaeg aegteagatg tttaaaacae

cttctatage atcacttaaa acacgtttta aggactgact gaggcagttt gaggattagt 2160

ttagaacagg tttttttgtt tgtttgtttt ttgtttttct gctttagact tgaaaagaga

caggcaggtg atctgctgca gagcagtaag ggaacaagtt gagctatgac ttaacatagc 2280

caaaatgtga gtggttgaat atgattaaaa atatcaaatt aattgtgtga acttggaagc 2340

acaccaatct tactttgtaa attctgattt cttttcacca ttcgtacata atactgaacc 2400

acttgtagat ttgattttt ttttaatcta ctgcatttag ggagtattct aataagctag 2460

ttgaatactt gaaccataaa atgtccagta agatcactgt ttagatttgc catagagtac 2520

actgcctgcc ttaagtgagg aaatcaaagt gctattacga agttcaagat caaaaaggct 2580

tataaaacag agtaatcttg ttggttcacc attgagaccg tgaagatact ttgtattgtc 2640

ctattagtgt tatatgaaca tacaaatgca tctttgatgt gttgttcttg gcaataaatt 2700

ttgaaaagta atatttatta a 2721

<210> 4

<211> 18

<212> DNA

<213> Artificial Antisense Oligonucleotide

<400> 4

tggggaacgc atcgctgc

18

<210> 5

<211> 18

<212> DNA

<213> Artificial Antisense Control Oligonucleotide

<400> 5

WO 2005/049651 PCT/GB2004/004788 10/10

tggggaccgc atcgctgc 18